

PTO/SB/21 (05-03)

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1637 SF

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

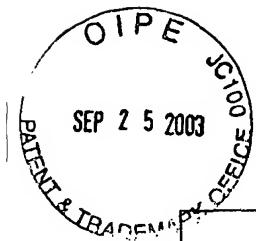
		Application Number	10/017,880
		Filing Date	December 13, 2001
		First Named Inventor	Nurith KURN
		Art Unit	1637
		Examiner Name	A. Spiegler
Total Number of Pages in This Submission	9 + 45 refs	Attorney Docket Number	492692000300

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form – in duplicate (2 pgs) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (Supplemental – 3 pgs) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Form PTO-1449 (3 pgs) 45 Reference Return receipt postcard
<input type="checkbox"/> Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP Cara M. Coburn - 46,631	CUSTOMER NUMBER: 25226
Signature		
Date	September 23, 2003	



PATENT  
Docket No. 492692000300

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on September 23, 2003.

Denise Lade

Denise Lade

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Nurith KURN

Serial No.: 10/017,880

Filing Date: December 13, 2001

For: METHODS AND COMPOSITIONS FOR  
GENERATION OF MULTIPLE COPIES  
OF NUCLEIC ACID SEQUENCES AND  
METHODS OF DETECTION THEREOF

Examiner: A. Spiegler

Group Art Unit: 1637

**SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 AND § 1.978**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicant submits for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

10/01/2003 NROCHW1 00000013 031952 10017888

81 FC:1886 188.00 DA

This Supplemental Information Disclosure Statement is submitted:

- Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - A fee is required. A check in the amount of \_\_\_\_ is enclosed.
  - A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee is believed to be due.
- After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of \_\_\_\_ is enclosed.
  - A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicant would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the fee transmittal is separated from this document and/or the Patent Office determines that an extension and/or other relief is required, Applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 492692000300. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: September 23, 2003

Respectfully submitted,

By: Cara Coburn  
Cara M. Coburn  
Registration No. 46,631

Morrison & Foerster LLP  
755 Page Mill Road  
Palo Alto, California 94304-1018  
Telephone: (650) 813-5740  
Facsimile: (650) 494-0792

Form PTO-1449

SEP 25 2003

O I P E  
J C 100  
U. S. PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 492692000300

Application Number 10/017,880

Applicant

Nurith KURN

Filing Date December 13, 2001

Group Art Unit 1637

Mailing Date September 23, 2003

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
1.	03/29/2001	2001/0000077	Engelhardt et al.				
2.	05/16/2002	2002/0058270	Kurn				
3.	08/22/2002	2002/0115088	Kurn				
4.	01/23/2003	2003/0017591	Kurn				
5.	05/08/2003	2003/0087251	Kurn				
6.	12/07/1976	3,996,345	Ullman and Schwarzburg				
7.	07/28/1987	4,683,194	Saiki and Erlich				
8.	04/28/1998	5,744,308	Guillou-Bonnici et al.				
9.	12/08/1998	5,846,710	Bajaj				
10.	12/15/1998	5,849,547	Cleuziat et al.				
11.	02/16/1999	5,871,697	Rothberg et al.				
12.	09/28/1999	5,958,681	Wetmur et al.				
13.	04/17/2001	6,218,151	Cleuziat et al.				
14.	10/30/2001	6,309,842	Dower et al.				

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
15.	04/28/1982	EP 0 050 424	Europe				
16.	09/16/1987	EP 0 237 362	Europe				
17.	06/14/1989	EP 0 320 308	Europe				
18.	05/02/1990	EP 0 365 627	Europe				
19.	08/05/1992	EP 0 497 272	Europe				
20.	09/23/1992	EP 0 505 012	Europe				
21.	08/16/1995	EP 0 667 393	Europe				
22.	11/18/1998	EP 0 878 553	Europe				
23.	11/29/2000	EP 1 055 736	Europe				
24.	01/27/1995	JP 07-023799	Japan				Abstract

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>					Docket Number 492692000300	Application Number 10/017,880		
					Applicant	Nurith KURN		
					Filing Date December 13, 2001	Group Art Unit 1637		
					Mailing Date September 23, 2003			

25.	02/02/1995	WO 95/03426	WIPO			Abstract	
26.	02/06/1997	WO 97/04126	WIPO			Abstract	
27.	07/02/1998	WO 98/28443	WIPO				
28.	04/15/1999	WO 99/18241	WIPO				
29.	06/17/1999	WO 99/29901	WIPO				
30.	08/12/1999	WO 99/40219	WIPO				
31.	11/23/2000	WO 00/70095	WIPO				
32.	01/03/2002	WO 02/00938	WIPO				
33.	04/11/2002	WO 02/29117	WIPO				
34.	06/20/2002	WO 02/48402	WIPO				
35.	09/19/2002	WO 02/072772	WIPO				

**OTHER DOCUMENTS***(including author, title, Date, Pertinent Pages, Etc.)*

Examiner Initials	Ref. No.	Title
	36.	Ausubel, F.M. et al., Eds. (1995). <u>Current Protocols in Molecular Biology</u> . John Wiley & Sons, Inc. pp. iii-xii (Table of Contents).
	37.	Fu, Dong-Jing et al., (1997) "Sequencing Double-Stranded DNA by Strand Displacement" <i>Nucleic Acids Research</i> 25(3):677-679.
	38.	Guatelli, J. C. et al. (1990). "Isothermal, <i>in vitro</i> Amplification of Nucleic Acids by a Multienzyme Reaction Modeled After Retroviral Replication," <i>Proc. Natl. Acad. Sci. USA</i> 87:1874-1878.
	39.	Lishanski, A. et al. (2000). "Branch Migration Inhibition in PCR-Amplified DNA: Homogeneous Mutation Detection," <i>Nucleic Acids Research</i> 28(9):E42, pp. i-vii.
	40.	Orita, M. et al. (1989). "Detection of Polymorphisms of Human DNA by Gel Electrophoresis as Single-Strand Conformation Polymorphisms," <i>Proc. Natl. Acad. Sci. USA</i> 86(8):2766-2770.
	41.	Orita, M. et al. (1989). "Rapid and Sensitive Detection of Point Mutations and DNA Polymorphisms Using the Polymerase Chain Reaction," <i>Genomics</i> 5:874-879.
	42.	Patel, R. et al. (1996). "Formation of Chimeric DNA Primer Extension Products by Template Switching Onto an Annealed Downstream Oligonucleotide," <i>Proc. Natl. Acad. Sci. USA</i> 93:2969-2974.
	43.	Sarkar et al. (1992). "Screening for Mutations by RNA Single-Strand Conformation Polymorphism (rSSCP): Comparison with DNA-SSCP," <i>Nucleic Acids Research</i> 20(4):871-878.
	44.	Suzuki, Y. et al. (1990). "Detection of <i>ras</i> Gene Mutations in Human Lung Cancers by Single-Strand Conformation Polymorphism Analysis of Polymerase Chain Reaction Products," <i>Oncogene</i> 5:1037-1043.

EXAMINER:	DATE CONSIDERED:
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EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 492692000300	Application Number 10/017,880
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Applicant Nurith KURN	
		Filing Date December 13, 2001	Group Art Unit 1637
		Mailing Date September 23, 2003	
45.	Walker, G. T. et al. (1992). "Isothermal <i>in vitro</i> Amplification of DNA by a Restriction Enzyme/DNA Polymerase System," <i>Proc. Natl. Acad. Sci. USA</i> 89:392-396.		



EXAMINER:	DATE CONSIDERED:
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<b>FEE TRANSMITTAL</b> <b>for FY 2003</b>		<b>Complete if Known</b>	
Effective 01/01/2003, Patent fees are subject to annual revision.		Application Number	10/017,880
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	December 13, 2001
TOTAL AMOUNT OF PAYMENT (\$ 180.00)		First Named Inventor	Nurith KURN
		Examiner Name	A. Spiegler
		Art Unit	1637
		Attorney Docket No.	492692000300

<b>METHOD OF PAYMENT (check all that apply)</b>					<b>FEE CALCULATION (continued)</b>																																												
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account					<b>3. ADDITIONAL FEES</b>																																												
Deposit Account Number		03-1952			Large Entity	Small Entity	Fee Description		Fee Paid																																								
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<p>The Director is hereby authorized to: (check all that apply)</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> Charge fee(s) indicated below</td> <td><input checked="" type="checkbox"/> Credit any overpayments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.</td> </tr> </table>										<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input checked="" type="checkbox"/> Credit any overpayments	<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application		<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.																																			
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<b>FEE CALCULATION</b>																																																	
<p><b>1. BASIC FILING FEE</b></p> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th></th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>750</td> <td>2001</td> <td>375</td> <td>Utility filing fee</td> </tr> <tr> <td>1002</td> <td>330</td> <td>2002</td> <td>165</td> <td>Design filing fee</td> </tr> <tr> <td>1003</td> <td>520</td> <td>2003</td> <td>260</td> <td>Plant filing fee</td> </tr> <tr> <td>1004</td> <td>750</td> <td>2004</td> <td>375</td> <td>Reissue filing fee</td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td>Provisional filing fee</td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (1) (\$ 0.00)</td> <td></td> </tr> </tbody> </table>										Large Entity	Small Entity	Fee Description		Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)		1001	750	2001	375	Utility filing fee	1002	330	2002	165	Design filing fee	1003	520	2003	260	Plant filing fee	1004	750	2004	375	Reissue filing fee	1005	160	2005	80	Provisional filing fee	SUBTOTAL (1) (\$ 0.00)				
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<p><b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b></p> <table border="1"> <thead> <tr> <th></th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>186</td> <td>-192** = 0 x 9 = 0.00</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>14</td> <td>-16** = 0 x 42 = 0.00</td> <td></td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td>140 = 0.00</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (2) (\$ 0.00)</td> </tr> </tbody> </table>											Extra Claims	Fee from below	Fee Paid	Total Claims	186	-192** = 0 x 9 = 0.00		Independent Claims	14	-16** = 0 x 42 = 0.00		Multiple Dependent		140 = 0.00		SUBTOTAL (2) (\$ 0.00)																							
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<p>*or number previously paid, if greater. For Reissues, see above</p>																																																	
*Reduced by Basic Filing Fee Paid      SUBTOTAL (3) (\$ 180.00)																																																	

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	Cara M. Coburn		Registration No. (Attorney/Agent)	46,631
Signature	<i>Cara Coburn</i>		Date	September 23, 2003